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cca cct act gct cca gat cgt gca act gct gtg gcc act gcc tcc cgt Pro Pro Thr Ala Pro Asp Arg Ala Thr Ala Val Ala Thr Ala Ser Arg 55 60 65	249										
ctt ggg ccc tat gtc ctc ctg gag ccc gag gag ggc ggg cgg gcc tac Leu Gly Pro Tyr Val Leu Leu Glu Pro Glu Glu Gly Gly Arg Ala Tyr 70 75 80	297										
cgg gcc ctg cac tgc cct aca ggc act gag tat acc tgc aag gtg tac Arg Ala Leu His Cys Pro Thr Gly Thr Glu Tyr Thr Cys Lys Val Tyr 85 90 95	345										
ccc gtc cag gaa gcc ctg gcc gtg ctg gag ccc tac gcg cgg ctg ccc Pro Val Gln Glu Ala Leu Ala Val Leu Glu Pro Tyr Ala Arg Leu Pro 100 105 110	393										

(A

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ccg Pro	cac His	aag Lys	cat His	gtg Val 120	gct Ala	cgg Arg	ccc Pro	act Thr	gag Glu 125	gtc Val	ctg Leu	gct Ala	ggt Gly	acc Thr 130	cag Gln	441
ctc Leu	ctc Leu	tac Tyr	gcc Ala 135	ttt Phe	ttc Phe	act Thr	cgg Arg	acc Thr 140	cat His	gjå aaa	gac Asp	atg Met	cac His 145	agc Ser	ctg Leu	489
gtg Val	Arg	agc Ser 150	cgc Arg	cac His	cgt Arg	atc Ile	cct Pro 155	gag Glu	cct Pro	gag Glu	gct Ala	gcc Ala 160	gtg Val	ctc Leu	ttc Phe	537
cgc Arg	cag Gln 165	atg Met	gcc Ala	acc Thr	gcc Ala	ctg Leu 170	gcg Ala	cac His	tgt Cys	cac His	cag Gln 175	cac His	ggt Gly	ctg Leu	gtc Val	585
ctg Leu 180	cgt Arg	gat Asp	ctc Leu	aag Lys	ctg Leu 185	tgt Cys	cgc Arg	ttt Phe	gtc Val	ttc Phe 190	gct Ala	gac Asp	cgt Arg	gag Glu	agg Arg 195	633
aag Lys	aag Lys	ctg Leu	gtg [\] Val	ctg Leu 200	gag Glu	aac Asn	ctg Leu	gag Glu	gac Asp 205	tcc Ser	tgc Cys	gtg Val	ctg Leu	act Thr 210	Gly ggg	681
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cct Pro	gag Glu	ata Ile 230	ctc Leu	agc Ser	tca Ser	cgg Arg	gcc Ala 235	tca Ser	tac Tyr	tcg Ser	ggc Gly	aag Lys 240	gca Ala	gcc Ala	gat Asp	777
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ggc Gly	atc Ile	ctc Leu 310	ctg Leu	cac His	ccc Pro	tgg Trp	ctg Leu 315	cga Arg	cag Gln	gac Asp	ccg Pro	atg Met 320	ccc Pro	tta Leu	gcc Ala	1017
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Lys Arg Ala Arg Ser Gly Pro Gln Pro Arg Leu Pro Pro Cys Leu Leu

Pro Leu Ser Pro Pro Thr Ala Pro Asp Arg Ala Thr Ala Val Ala Thr

Ala Ser Arg Leu Gly Pro Tyr Val Leu Leu Glu Pro Glu Glu Gly Gly

Arg Ala Tyr Arg Ala Leu His Cys Pro Thr Gly Thr Glu Tyr Thr Cys 90

Lys Val Tyr Pro Val Glu Glu Ala Leu Ala Val Leu Glu Pro Tyr Ala 100 105 110

Arg Leu Pro Pro His Lys His Val Ala Arg Pro Thr Glu Val Leu Ala 115 120 125

Gly Thr Gln Leu Leu Tyr Ala Phe Phe Thr Arg Thr His Gly Asp Met 130 140

His Ser Leu Val Arg Ser Arg His Arg Ile Pro Glu Pro Glu Ala Ala 145 150 155 160

Val Leu Phe Arg Gln Met Ala Thr Ala Leu Ala His Cys His Gln His \ 165 170 175

Gly Leu Val Leu Arg Asp Leu Lys Leu Cys Arg Phe Val Phe Ala Asp
180 \ 185 190

Arg Glu Arg Lys Lys Leu Val Leu Glu Asn Leu Glu Asp Ser Cys Val
195 200 205

Leu Thr Gly Pro Asp Asp Ser Leu Trp Asp Lys His Ala Cys Pro Ala 210 220 225

Tyr Val Gly Pro Glu Ile Leu\Ser Ser Arg Ala Ser Tyr Ser Gly Lys 225 230 235 240

Ala Ala Asp Val Trp Ser Leu Gly Val Ala Leu Phe Thr Met Leu Ala 245 250 255

Gly His Tyr Pro Phe Gln Asp Ser Gu Pro Val Leu Leu Phe Gly Lys
260 265 270

Ile Arg Arg Gly Ala Tyr Ala Leu Pro Ala Gly Leu Ser Ala Pro Ala 275 280 285

Arg Cys Leu Val Arg Cys Leu Leu Arg Arg Glu Pro Ala Glu Arg Leu 290 295 300

Thr Ala Thr Gly Ile Leu Leu His Pro Trp Leu Arg Gln Asp Pro Met 305 310 315 320

Pro Leu Ala Pro Thr Arg Ser His Leu Trp Glu Ala Ala Gln Val Val 325 330 335

Pro Asp Gly Leu Gly Leu Asp Glu Ala Arg Glu Gly Gly Asp Arg 340 345 350



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Pro Leu Ser Pro Pro Thr Ala Pro Asp Arg Ala Thr Ala Val Ala Thr 50 60

Ala Ser Arg Deu Gly Pro Tyr Val Leu Leu Glu Pro Glu Glu Gly Gly 65 70 75 80

Arg Ala Tyr Glh Ala Leu His Cys Pro Thr Gly Thr Glu Tyr Thr Cys
85 90 95

Lys Val Tyr Pro Val Gln Glu Ala Pro Ala Val Leu Glu Pro Tyr Ala
100 \ 105 110

Arg Leu Pro Pro His Lys His Val Ala Arg Pro Thr Glu Val Leu Ala 115 120 125

Gly Thr Gln Leu Leu Tyr Ala Phe Phe Thr Arg Thr His Gly Asp Met
130 140

His Ser Leu Val Arg Ser Arg His Arg Ile Pro Glu Pro Glu Ala Ala 145 150 150 155

Val Leu Phe Arg Gln Met Ala Thr Ala Leu Ala His Cys His Gln His
165 170 175

Gly Leu Val Leu Arg Asp Leu Lys Leu Cys Arg Phe Val Phe Ala Asp 180 185 190

Arg Glu Arg Lys Lys Leu Val\Leu Glu Asn Leu Glu Asp Ser Cys Val

Leu Thr Gly Pro Asp Asp Ser Leu Trp Asp Lys His Ala Cys Pro Ala
210 220

Tyr Val Gly Pro Glu Ile Leu Ser Ser Arg Ala Ser Tyr Ser Gly Lys
225 230 235 240

Ala Ala Asp Val Trp Ser Leu Gly Val Ala Leu Phe Thr Met Leu Ala 245 250 255

Gly His Tyr Pro Phe Gln Asp Ser Glu Pro Val Leu Leu Phe Gly Lys 260 265 270

Ile Arg Arg Gly Ala Tyr Ala Leu Pro\Ala Gly Leu Ser Ala Pro Ala 275 280 285

Arg Cys Leu Val Arg Cys Leu Leu Arg Arg Glu Pro Ala Glu Arg Leu 290 295 300



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Thr Ala Thr Gly Ile Leu Leu His Pro Trp Leu Arg Gln Asp Pro Met
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Pro Asp Gly Leu Gly Leu Asp Glu Ala Arg Glu Glu Glu Gly Asp Arg
                                345
Glu Val Val Leu Tyr Gly
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Ala Gly Pro Pro Ala Gly Ala Leu Glu Ala Leu Ser Pro Gly Gly Ala
Arg Ala His Ala Glu Arg Arg Gly Glu Met Arg Ala Thr Pro Leu Ala
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Ala Pro Ala Gly Ser Leu Ser Arg Lys Lys Arg Leu Glu Leu Asp Asp Asn Leu Asp Thr Glu Arg Pro Val Gln Lys Arg Ala Arg Ser Gly Pro Gln Pro Arg Leu Pro Pro Cys Leu Leu Pro Leu Ser Pro Pro Thr Ala 120 Pro Asp`Arg Ala Thr Ala Val Xaa Thr Xaa Ser Arg Xaa Xaa Xaa Tyr 130 \ 135 Val Leu Leu Glu Ala Arg Arg Xaa Ala 150 <210> 10 <211> 233 <212> PRT <213> Homo sapiens <400> Gly Pro Gly Trp Tyr Pro Ala Pro Leu Arg Leu Phe His Ser Asp Pro Trp Gly His Ala Gln Pro Gly Ala Lys Arg His Arg Ile Pro Glu Pro Glu Ala Ala Val Leu Phe Akg Gln Met Ala Thr Ala Leu Ala His Cys His Gln His Gly Leu Val Leu Arg Asp Leu Lys Leu Cys Arg Phe Val Phe Ala Asp Arg Glu Arg Lys Lys Leu Val Leu Glu Asn Leu Glu Asp Ser Cys Val Leu Thr Gly Pro Asp Asp Ser Leu Trp Asp Lys His Ala Cys Pro Ala Tyr Val Gly Pro Glu Ile Leu Ser Ser Arg Ala Ser Tyr 105 Ser Gly Lys Ala Ala Asp Val Trp Ser Leu Gly Val Ala Leu Phe Thr 120 Met Leu Ala Gly His Tyr Pro Phe Gln Asp Ser Glu Pro Val Leu Leu Phe Gly Lys Ile Arg Arg Gly Ala Tyr Ala Leu\Pro Ala Gly Leu Ser 150 155 Ala Pro Ala Arg Cys Leu Val Arg Cys Leu Leu Arg Arg Glu Pro Ala 170

Glu Arg Leu Thr Ala Thr Gly Ile Leu Leu His Pro Trp Leu Arg Gln
180

Asp Pro Met Pro Leu Ala Pro Thr Arg Ser His Leu Trp Glu Ala Ala
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Gln Val Val Pro Asp Gly Leu Gly Leu Asp Glu Ala Arg Glu Glu Glu 210 215 220



Gly Asp Arg Glu Val Val Leu Tyr Gly 225 230

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Ala Ala Pro Ala Gly Ser Leu Ser Arg Lys Lys Arg Leu Glu Leu Asp 50 \ 55 60

Asp Asn Leu Asp\Thr Glu Arg Pro Val Gln Lys Arg Ala Arg Ser Gly 70 75 80

Pro Gln Pro Arg Leu Pro Pro Cys Leu Leu Pro Leu Ser Pro Pro Thr
85\ 90 95

Ala Pro Asp Arg Ala Thr Ala Val Ala Thr Ala Ser Arg Leu Gly Pro
100 105 110

Tyr Val Leu Leu Glu Pro Glu Glu Gly Gly Arg Ala Tyr Gln Ala Leu 115 120 125

His Cys Pro Thr Gly Thr Glu Tyr Thr Cys Lys Val Tyr Pro Val Gln 130 140

Glu Ala Leu Ala Val Leu Glu Pro Tyr Ala Arg Leu Pro Pro His Lys
145 150 155 160

His Val Ala Arg Pro Thr Glu Val Leu Ala Gly Thr Gln Leu Leu Tyr
165 170 175

Ala Phe Phe Thr Arg Thr His Gly Asp Met His Ser Leu Val Arg Ser 180 185 190

Arg His Arg Ile Pro Glu Pro Glu Ala Ala Val Leu Phe Arg Gln Met

Ala Thr Ala Leu Ala His Cys His Gly Leu Val Leu Arg Asp
210 215 220

Leu Lys Leu Cys Arg Phe Val Phe Ala Asp Arg Glu Arg Lys Lys Leu 225 230 235 240

Val Leu Glu Asn Leu Glu Asp Ser Cys Val Leu Thr Gly Pro Asp Asp 245 250 255

Ser Leu Trp Asp Lys His Ala Cys Pro Ala Tyr Val Gly Pro Glu Ile
260 265 270

Leu Ser Ser Arg Ala Ser Tyr Ser Gly Lys Ala Asp Val Trp Ser
275 280 285

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Leu Gly Val Ala Leu Phe Thr Met Leu Ala Gly His Tyr Pro Phe Gln
                        295
Asp Ser Glu Pro Val Leu Leu Phe Gly Lys Ile Arg Arg Gly Ala Tyr
                    310
Ala Leu Pro Ala Gly Leu Ser Ala Pro Ala Arg Cys Leu Val Arg Cys
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Leu His Pro Trp Leu Arg Gln Asp
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                                                                       240
tectgetett eggeaagate egeegeggg cetaegeett geetgeagge eteteggeee
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